

Data

Adjustment on temperature dial	Medium head room temperature in °C (°F)
65	18 ± 2 (64)*
75	24 ± 2 (75)
85	30 ± 2 (86)

*may not be attained at high ambient temperatures.

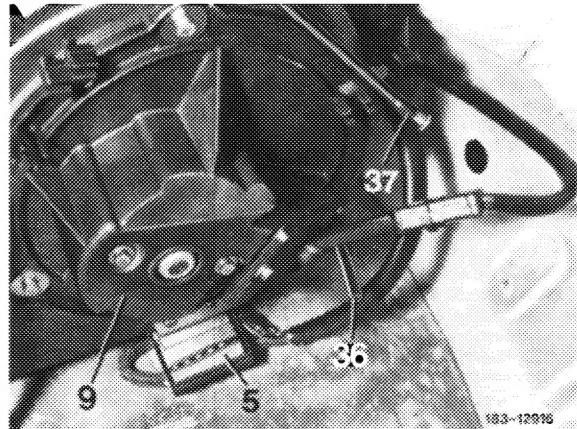
If the medium head room temperatures are not attained or if they are too low or too high, set system to colder or warmer by turning temperature dial on potentiometer shaft held in place by means of adjusting wrench (83-611).

If an adequate control quality is nevertheless not attained, also check venting of in-car temperature sensor.

- 1 If the tester is still connected to system, pinch off system while plugging 10-point plug connection (5) again together and close vacuum line (37) with blind plug (83-602).

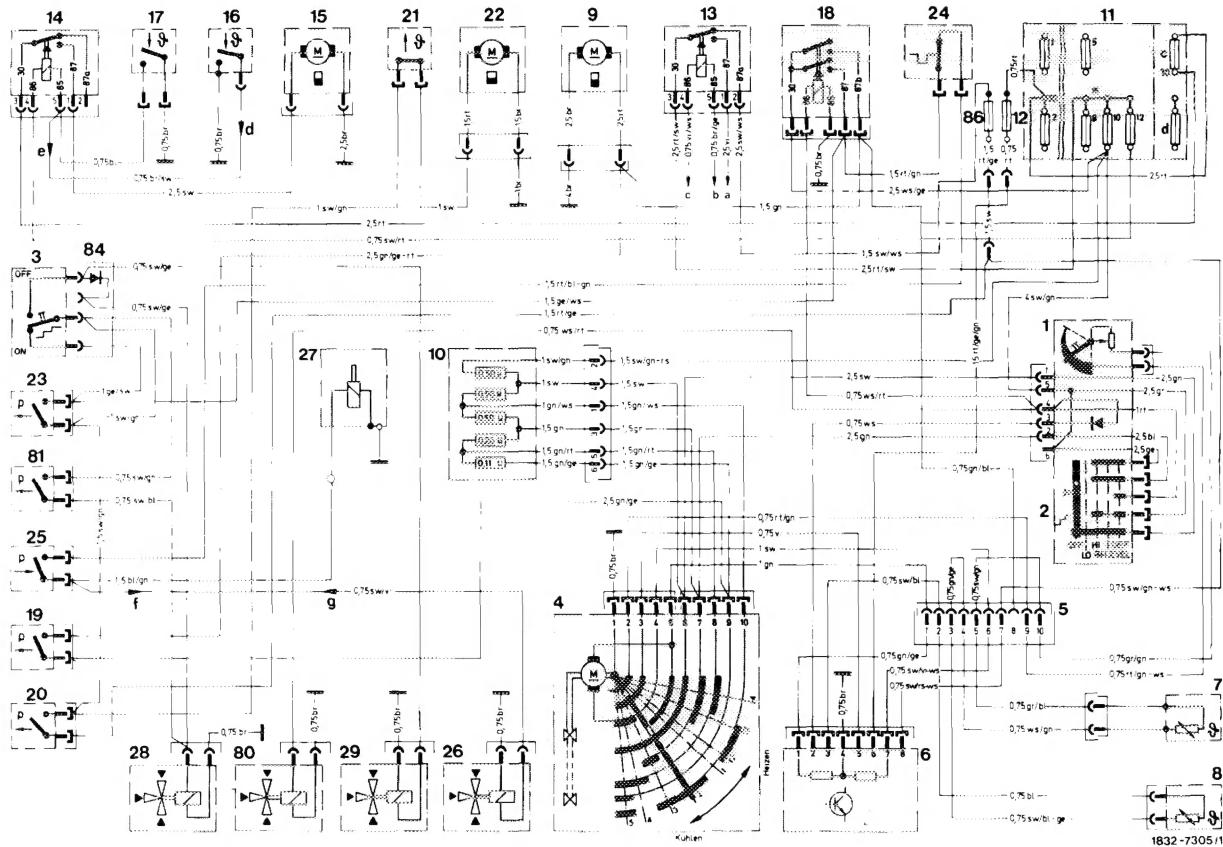
Layout of 10-point plug connection for tester

- 5 10-point plug connection for tester
- 9 Blower
- 36 Vent line for legroom flaps
- 37 Vacuum connection for tester



- 2 Attach one thermometer each adjacent to head of driver and co-driver (front passenger) and approx. 200 mm away from vehicle head lining.

Note: Below 16 °C (61 °F) ambient temperature the heating water pump (22), controlled via switch (20) and (21), should run along.



Electric wiring diagram, ignition off, regulating valve in position "parking" (standard)

- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch refrigerant compressor
- 4 Regulating valve
- 5 10-point plug connection for tester
- 6 Amplifier
- 7 In-car temperature sensor
- 8 Ambient temperature sensor
- 9 Blower
- 10 Pre-resistance for blower
- 11 Main fuse box
 - Fuse 10 : 16 amps
 - Fuse 12 : 8 amps
 - Fuse c : 16 amps
- 12 Additional fuse for amplifier (2 amps)
- 13 Relay air conditioning system
- 14 Relay auxiliary fan
- 15 Auxiliary fan
- 16 Temperature switch 100 °C (212 °F)
in thermostat housing for auxiliary fan
- 17 Temperature switch 62 °C (142 °F)
in receiver dehydrator for auxiliary fan
- 18 Double contact relay
- 19 Vacuum switch
(main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
- 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
- 21 Temperature switch for heating water pump (22)
16 °C (61 °F) ON, 26 °C (79 °F) OFF
- 22 Heating water pump
- 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 24 ETR-switch 2 °C (36 °F)
- 25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atu)
OFF 2.0 bar gauge pressure (2.0 atu)
- 26 Switchover valve for constant speed (engine 110.984 only)
- 27 Electromagnetic clutch for refrigerant compressor
- 28 Switchover valve for vacuum element of legroom flaps
- 29 Switchover valve for vacuum element of fresh air-recirculated air flap
- 80 Switchover valve "BI-LEVEL" (at "DEF")
- 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 84 Diode
- 86 Additional fuse (5 amps) for heating water pump, refrigerant compressor and amplifier
- a Cable connector starter terminal 50
- b Starter lockout and back-up lamp switch
- c Ignition starter switch terminal 50
- d Via relay ignition switchover terminal 85 } engine
- e Via relay decoupling terminal 30 } 110.984 only
- f Via relay ignition switchover terminal 87a } (countries with
- g Via relay ignition switchover terminal 30 } emission control)

3 In selector lever position "D" maintain a road speed of 30 to 40 mph (50 to 60 km/h) (ambient temperature sensor air flow).

4 Set pushbutton switch (2) to "AUTO-HI".

5 Read headroom temperatures after approx. 5 to 10 minutes (refer to table, 608/1).

Layout of control unit

- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch of refrigerant compressor

